

SEQUENCE LISTING

<110> EISEN, ANDREW

<120> DROSOPHILA RECOMBINATION-ASSOCIATED PROTEIN AND METHODS FOR USE

<130> 2567/1F496-US2

<140> US 10/031,893

<141> 2002-01-22

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<151> 1999-07-21

<150> PCT/US/00/19901

<151> 2000-07-21

<160> 32

<170> PatentIn version 3.0

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<212> DNA

<213> Drosophila melanogaster

<400> 1

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cctgccgccc aataaggtgc tgcccaactg cgaactgaag gtgtccaccg acggagtcca      360
gctggagatc atatcgcaa aggccagcat caatcactgg agctatccca tcgacacgat      420
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acataaaaga tgcaccaaag ctgctattcc accagcgttc tttattccac gcttgttttc	1080
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catccctttg aggttcacgc cttcgtgtgc gacagtcgtg cgatggcgcg gaagttgacc	420
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gtgggcgtgg ccaagaacct gccgccaat aaggtgctgc ccaactgcga actgaaggtg	240
tccaccgacg gagtccagct ggagatcata tgcgcaaagg ccagcatcaa tcaactggagc	300
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<210> 4
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<213> Drosophila melanogaster

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Val Glu Asp Leu Pro Ile Thr Phe Lys Val Lys Tyr Ile Gly Ser Glu
20 25 30
Val Ala Arg Gly Leu Trp Gly Ile Lys Tyr Thr Arg Arg Pro Val Asp
35 40 45
Ile Met Val Gly Val Ala Lys Asn Leu Pro Pro Asn Lys Val Leu Pro
50 55 60
Asn Cys Glu Leu Lys Val Ser Thr Asp Gly Val Gln Leu Glu Ile Ile
65 70 75 80
Ser Pro Lys Ala Ser Ile Asn His Trp Ser Tyr Ile Pro Asp Thr Ile
85 90 95
Ser Tyr Gly Val Gln Asp Leu Val Tyr Thr Arg Val Phe Ala Met Ile
100 105 110
Val Val Lys Asp Glu Ser Ser Pro His Pro Phe Glu Val His Ala Phe
115 120 125
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Gly Arg Leu Pro Gly Leu Leu Ala Thr Gly Gln Gly Gly Asn Arg
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<212> PRT
<213> Artificial Sequence

<220>
<221> misc_feature
<223> Antigenic peptide

<400> 5

Lys Asp Glu Ser Ser Pro
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<210> 6
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Arg Ala Met Ala Arg Lys
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<210> 8
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<213> Mus musculus

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aaaggaaatg 130

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<212> DNA
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<223> potential mutagenic oligonucleotide

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<210> 10
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<212> DNA
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<223> Primer

<400> 10
ggacagtgta ttcac 15

<210> 11
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<220>
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<223> Primer

<400> 11
ttgcgatttc gggctag 17

<210> 12
<211> 57
<212> DNA
<213> Drosophila melanogaster

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<210> 13
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<212> PRT
<213> Mus musculus

<400> 13

Cys Ile His Arg Asp Leu Ala Ala Arg Asn Ile Leu Leu Thr His Gly
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Arg Ile Thr Lys Ile Cys Asp Phe Gly Leu Ala Arg Asp Ile Arg Asn
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Asp Ser Asn Tyr Val Val Lys Gly Asn
35 40

<210> 14

<211> 20
<212> PRT
<213> Drosophila melanogaster

<400> 14

Cys Ile His Arg Asn Leu Ala Ala Arg Asn Ile Leu Leu Thr His Gly
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Arg Ile Thr Lys
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<210> 15
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<220>
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<223> Peptide motif

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Met Ile Val Val Lys Asp Glu Ser Ser Pro
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<210> 16
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<223> N-myristylation site

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Gly Ser Glu Val Ala Arg
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<210> 17
<211> 6
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<223> N-myristylation site

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Gly Ile Lys Tyr Thr Arg
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<210> 18
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 <223> N-myristylation site

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Gly Val Ala Lys Asn Leu
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<210> 19
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Gly Leu Leu Ala Thr Gly
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<210> 21
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Leu Leu Ile Val Asp Ser
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<210> 24
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<223> peptide motif

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Val Ile Val Val Asp Ser
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<210> 26
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<212> PRT
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Ile Leu Val Val Lys Asp Pro Ala Ala Pro
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<210> 28
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Met Ile Ala Val Asp Val Glu Met Gly Glu
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Lys Gly Phe Ser Ser Glu
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<210> 30

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Ile Lys Asp Glu Pro
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<210> 31

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<400> 31

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<210> 32

<211> 5

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<223> Peptide motif

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Gly Phe Ser Ser Pro
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